

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3576	((422/1) or (422/6) or (422/20) or (422/128) or (422/257) or (210/188) or (367/140) or (367/142)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/02 07:21
L2	196032	baffles	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 07:21
L3	3565916	chamber or vessel or tank	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 07:21
L4	91057	L3 same L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 07:21
L5	236	L4 and L1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 07:21
L6	198	L5 and liquid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 07:22
L7	2	Cline-Amos-E.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 07:22
L8	342911	(housing or chamber) and ((baffle or plates) with (openings or orifices or apertures))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 07:22

## EAST Search History

L9	7111987	(fluid or liquid or water)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 07:22
L10	8972	(baffles or plates) adj2 (vibrates or vibrating or oscillating or oscillate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 07:22
L11	626	L9 with L10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 07:22
L12	175	L11 and L8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 07:24
S1	2	Cline-Amos-E.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 07:22
S2	10	(("6019947") or ("5837303") or ("5611993") or ("5519670") or ("5494585")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 15:20
S3	199454	piezoelectric\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 15:34
S4	1	S3 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 15:38

## EAST Search History

S5	45	(("2647846") or ("3369519") or ("3376949") or ("3409470") or ("3536157") or ("3690403") or ("3764965") or ("4131178") or ("4252210") or ("4271925") or ("4396088") or ("4713277") or ("4830122") or ("5009272") or ("5079750") or ("5085783") or ("5129320")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 15:39
S6	3	S3 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 15:40
S7	318540	ultrasonic or ultrasound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:14
S8	289	cavitation adj chamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:15
S9	63	S8 and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:15
S10	18174	S3 same (chamber or vessel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:43
S11	1959435	fluid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:43
S12	6478	S10 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:44

## EAST Search History

S13	266	(422/128).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 16:44
S14	63	S3 and S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 09:09
S15	3532	((422/1) or (422/6) or (422/20) or (422/128) or (422/257) or (210/188) or (367/140) or (367/142)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 11:26
S16	134	S3 and S11 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 17:18
S17	199550	piezoelectric\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 09:09
S18	267	(422/128).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 09:09
S19	63	S17 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 09:21
S20	3534	((422/1) or (422/6) or (422/20) or (422/128) or (422/257) or (210/188) or (367/140) or (367/142)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/24 13:34

## EAST Search History

S21	192829	baffles	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 11:27
S22	3479554	chamber or vessel or tank	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 11:27
S23	89955	S22 same S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 11:27
S24	233	S23 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 11:28
S25	197	S24 and liquid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 07:21
S26	24	S25 and (ultrasound or ultrasonic or acoustic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 11:29
S28	253	(turbulent adj flow) same (causing or cause) same (vibrate or vibrating or vibration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 17:46
S29	2	("4129387").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/22 17:46

## EAST Search History

S30	10	(("6019947") or ("5837303") or ("5611993") or ("5519670") or ("5494585")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/22 18:27
S31	0	(Marelli-Erensto.in.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 18:28
S32	144	Marelli.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 18:28
S33	283	(plurality adj3 baffles) same (apertures) same fluid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 13:20
S34	924	(baffles) with (oscillate or oscillating or oscillation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 13:19
S35	2	S33 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 13:19
S36	4398	(baffles) same (apertures) same fluid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 13:20
S37	14265	S36 sane S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 13:20

## EAST Search History

S38	18	S36 same S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 13:21
S39	1	(vibrating adj baffles) same (fluid) same (opening or apertures)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 13:36
S40	8415	(vibrating or vibration or vibrate or oscillation or oscillating or oscillate) same (baffle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 13:38
S41	2881	S40 and fluid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 13:38
S42	226	S41 and cavitation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 13:39
S43	40	S42 and (turbulence or turbulent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 13:39
S44	3	(turbulent adj flow) same (causes) same (baffles) same (oscillate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 13:57
S45	342622	(housing or chamber) and ((baffle or plates) with (openings or orifices or apertures))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 14:06

## EAST Search History

S46	7104494	(fluid or liquid or water)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 14:07
S47	8960	(baffles or plates) adj2 (vibrates or vibrating or oscillating or oscillate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 14:08
S48	625	S46 with S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/24 14:09
S49	175	S48 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 07:22